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**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/10/798,678

DATE: 07/23/2004

TIME: 11:18:28

Input Set : A:\Rothschild\_Approaches.ST25.txt

Output Set: N:\CRF4\07232004\J798678.raw

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3 <110> APPLICANT: Rothschild, Max F.
4   Marklund, Stefan
5   Robson, Richard M.
6   Huiatt, Ted W.
7   Helm, Jeannine M.
9 <120> TITLE OF INVENTION: APPROACHES TO IDENTIFYING GENETIC TRAITS IN ANIMALS
11 <130> FILE REFERENCE: P04474US2
13 <140> CURRENT APPLICATION NUMBER: US 10/798,678
14 <141> CURRENT FILING DATE: 2004-03-11
16 <150> PRIOR APPLICATION NUMBER: US 60/453,752
17 <151> PRIOR FILING DATE: 2003-03-11
19 <160> NUMBER OF SEQ ID NOS: 20
21 <170> SOFTWARE: PatentIn version 3.2
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24 <211> LENGTH: 236
25 <212> TYPE: DNA
26 <213> ORGANISM: Porcine
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32 <223> OTHER INFORMATION: c/t
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39 tcctgaccaa tagcacaacc tgggcccccc ctataaaagg ccagggctgc agtcctgtcc      180
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56 <222> LOCATION: (1050)..(1050)
57 <223> OTHER INFORMATION: c/t
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64 cactccctgg gcctccatgt tcccacctgt aaaataggac cctactcacg ggggctgtgg      180
66 tgaggaccga atgagttgag gtggtgaagg gcttgggacg gggcccggca cgtggcaaac      240
68 caccgcgtaa acatacatga gcatgaacgg aggtccccc aggaagccct tgatgttccc      300

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**ENTERED**

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74 gtccgctcct ttctccaggg acaccctgcc agggcgagtg gcaactgggc agggggccag 480
76 gctcgagcct gagcttccga ctcaaggggt gattggacgg agaggctctt tctcccacct 540
78 gggaacaag agcatctttc atggctcttt ttatctgtgg gggctgatgg tctaaggttc 600
80 cgaaattttt tagaagattc cacaatttgg ggactctgaa gtagtttatg tatatacaca 660
82 cacacacaca cacacacata tatataaaat gctttttagg gccgcacctg cggtatgtgg 720
84 agattcccag gctaggggtc gaatcacagc tgtacctgtc agcctacacc acagctcacg 780
86 gcaacgccag atccttaacc tgctgagcga ggccagggat caaactcatg tcctcatgga 840
88 tcttaggcca gtttggtcac cactgagcca cgacagcaac tcccagggtg gtaatatatt 900
90 tagcctcccg cccctccctt cctcaccctc gacctctctc gttctgacct agagggtgtc 960
92 agtgaactcc tgtgtgcacg cacacgtgtg cccacacaga cacacacaca cacacacgtg 1020
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115 cgtgctctt tgcctcatg atgtcgtgc cgcctctctt caacatcggc ctgctcctct 180
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127 tcaacatgta catcgccatc atcctggaga acttcaacgt ggccacggag gagagcagcg 540
129 agccctcggg ggaggacgac ttcgagatgt tctacgagac gtgggagaag ttcgacccg 600
131 acgccacgca gttcatcgac tacagccgcc tctcgactt cgtggacacc ctgcaggagc 660
133 cgtgaggat cgccaagccc aacaagatca agctcatcac catggacctg cccatggtgc 720
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141 gcgccatcaa gatccagagg gcctaccgcc ggcacctgct ccagcgtctc gtgaagcagg 960
143 cgtctacat gtaccgccag agccacgacg gcggtggcgg cggggacggg gcccccgaga 1020
145 aggaggggct gattgccgac accatgagca agatgtacgg ccaggagaac gggaacacca 1080
147 gtgcgcagag ccagggggag gcgaggggct ggacaggggc cccgaacct gccatggggc 1140
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155 <211> LENGTH: 239
156 <212> TYPE: DNA
157 <213> ORGANISM: Porcine
160 <220> FEATURE:

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168 tcatatggaa ctgctgcggc ccttggatga agttcaagaa catcatccac ctgattgtca      120
170 tggacccctt cgtggacctg ggcataacca tctgcatcgt gctcaacacc ctcttcatgg      180
172 ccatggagca ttaccccatg accgaggagt ttgacgccgt cctcaccgtg ggcaacttg      239
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176 <211> LENGTH: 621
177 <212> TYPE: DNA
178 <213> ORGANISM: Porcine
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183 <222> LOCATION: (406)..(406)
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189 gtggaggagg agggccggca gcagcggaac aagcagatgg agatcgagga gccagaacgg      120
191 aagcctcgca gcgacctgga ggctggcaaa aacctgcccc ttatctatgg ggacccccca      180
193 cccgagggtca tcggcatccc tctggaggac ctggatccct actacagcga caagaaggtc      240
195 agggcctggg cgggttcttc tgtctgtctg tccgtcgtca tctgtctgcc tgtcccgggc      300
197 ctcacagctc tctccctgct tcagaccttc atcgtgctca acaagggcaa ggccatcttc      360
199 cgtttctctg ccaagcctgc tctctacgtg ctgagccctc tcagcgtcgt caggcgcagc      420
201 gccatcaagg tgtctatcca ctcatatcct gccagagtcg ggcgagcgcc gggctgggaa      480
203 aaggcagggg aggggtttgg ggacaggcca aacgggggtgc tctggccggg gagcacctcc      540
205 ctccccacct gctctctccc tttccttgac cccccccca acgctgttca gcattgttc      600
207 catgatcacg atcctgacca a                                     621
210 <210> SEQ ID NO: 6
211 <211> LENGTH: 525
212 <212> TYPE: DNA
213 <213> ORGANISM: Porcine
216 <220> FEATURE:
217 <221> NAME/KEY: allele
218 <222> LOCATION: (96)..(96)
219 <223> OTHER INFORMATION: R = g or a
221 <400> SEQUENCE: 6
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224 ttaggcactg atgcagataa ggaacactgg aaagcrgttc acaaacaggt ggtggacagg      120
226 taatagatct cataatttgt aatgtgaaag gttaaaattt attattttat ttaaaaaact      180
228 aaaagttaa taatatttgc attcgattta ctctgtcaga aaacttgttt tctaaagctt      240
230 tttaaaatat catactataa aaaggtaaag gcattaaaaa ttacagacat ttataaatgc      300
232 tacagtctat ctttatttgc tgtaattctc tatagtatga taaatctttg tgtttgtaat      360
234 gtaactaat aagataaaag aggagttcct gtcgtggctc agtggaaact attctgacta      420
236 gtatccatga ggatgtaagt ttgatccctg accttgetca gtggattaag gatcaggcat      480
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241 <210> SEQ ID NO: 7
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243 <212> TYPE: DNA

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280 <213> ORGANISM: Porcine
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298 <213> ORGANISM: Porcine
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305 <211> LENGTH: 22
306 <212> TYPE: DNA
307 <213> ORGANISM: Porcine
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314 <211> LENGTH: 19
315 <212> TYPE: DNA
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327 <400> SEQUENCE: 16
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363 <400> SEQUENCE: 20
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**VERIFICATION SUMMARY**

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